on August 8, 1996. Each of the foregoing applications is commonly assigned to the assignee of the present invention and is hereby incorporated herein by reference in its entirety.

This application discloses subject matter related to the subject matter of U.S. patent application Serial Number 09/380,545, filed on September 3, 1999 in the name of Richard E. Smalley et al., entitled "Carbon Fibers Formed From Single-Wall Carbon Nanotubes," which application is commonly assigned to the assignee of the present invention and hereby incorporated herein by reference in its entirety.--

In the Claims

Please amend the claims as follows.

Please cancel claims 1-83 without prejudice or disclaimer to the subject matter thereof.

Please add the following new claims 84-89:

84. (new) A method of forming a composite array of single-wall carbon nanotubes comprising:

a) providing a plurality of single-wall carbon nanotubes;

b) assembling the single-wall carbon nanotubes into at least two substantially two-dimensional arrays, wherein each of the two-dimensional arrays comprise the single-wall carbon nanotubes aggregated in substantially parallel orientation; and

c) assembling the two-dimensional arrays into a single composite array.

85. (new) The method of claim 84 wherein the two-dimensional arrays comprise single-wall carbon nanotubes having a homogeneous characteristic selected from the group consisting of lengths, diameters, helicities and combinations thereof.

86. (new) The method of claim 84 wherein at least two of the two-dimensional arrays comprise single-wall carbon nanotubes having different homogeneous characteristics, and

wherein the homogeneous characteristics are selected from the group consisting of lengths, diameters, helicities and combinations thereof.

87. (new) A composite array of single-wall carbon nanotubes formed by the process comprising:

a) providing a plurality of single-wall carbon nanotubes;

b) assembling the single-wall carbon nanotubes into at least two substantially two-dimensional arrays, wherein each of the two-dimensional arrays comprise the single-wall carbon nanotubes aggregated in substantially parallel orientation; and

c) assembling the two-dimensional arrays into a single composite array.

88. (new) The composite array of claim 87 wherein the two-dimensional arrays comprise single-wall carbon nanotubes having a homogeneous characteristic selected from the group consisting of lengths, diameters, helicities and combinations thereof.

89. (new) The composite array of claim 87 wherein at least two of the two-dimensional arrays comprise single-wall carbon nanotubes having different homogeneous characteristics, and wherein the homogeneous characteristics are selected from the group consisting of lengths, diameters, helicities and combinations thereof.

* * * * *